Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/05/2020 09:23 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125061	0	2.84	125126	2.79
Blue	F	SSC	125000	124833	-1	1.89	125548	1.86
Blue	E	FITC	15892	15495	-3	2.83	338	21.87
Blue	D	PE	29999	29256	-3	1.96	637	15.83
Blue	B	PerCP-Cy5-5	43732	43498	-1	3.74	1169	21.31
Blue	A	PE-Cy7	30845	30749	-1	6.41	583	43.77
Red	C	APC	46112	45208	-2	2.45	1598	12.39
Red	A	APC-Cy7	30458	29638	-3	2.38	786	11.88
Violet	B	V450	7918	7580	-5	4.14	433	13.57
Violet	A	V500	32171	31035	-4	4.06	728	10.35

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16920	14.56	655	34	N/A	N/A	Pass
Blue	F	SSC	57449	1.30	586	27	N/A	N/A	Pass
Blue	E	FITC	61	67.39	554	11	0.0159	92	Pass
Blue	D	PE	131	53.06	560	12	0.1338	243	Pass
Blue	B	PerCP-Cy5-5	213	51.99	668	12	0.0082	45	Pass
Blue	A	PE-Cy7	106	109.75	713	15	0.0095	17	Pass
Red	C	APC	383	25.69	590	6	0.0231	137	Pass
Red	A	APC-Cy7	173	28.86	561	5	0.0057	1132	Pass
Violet	B	V450	66	59.30	461	3	0.0405	1555	Pass
Violet	A	V500	108	31.87	477	3	0.0229	518	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.85	-32.75	1.02
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.39
Red	16.02	13.60 - 20.40	N/A	N/A	29.43	30.51	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.73

Threshold

Threshold (FSC): 9536

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments